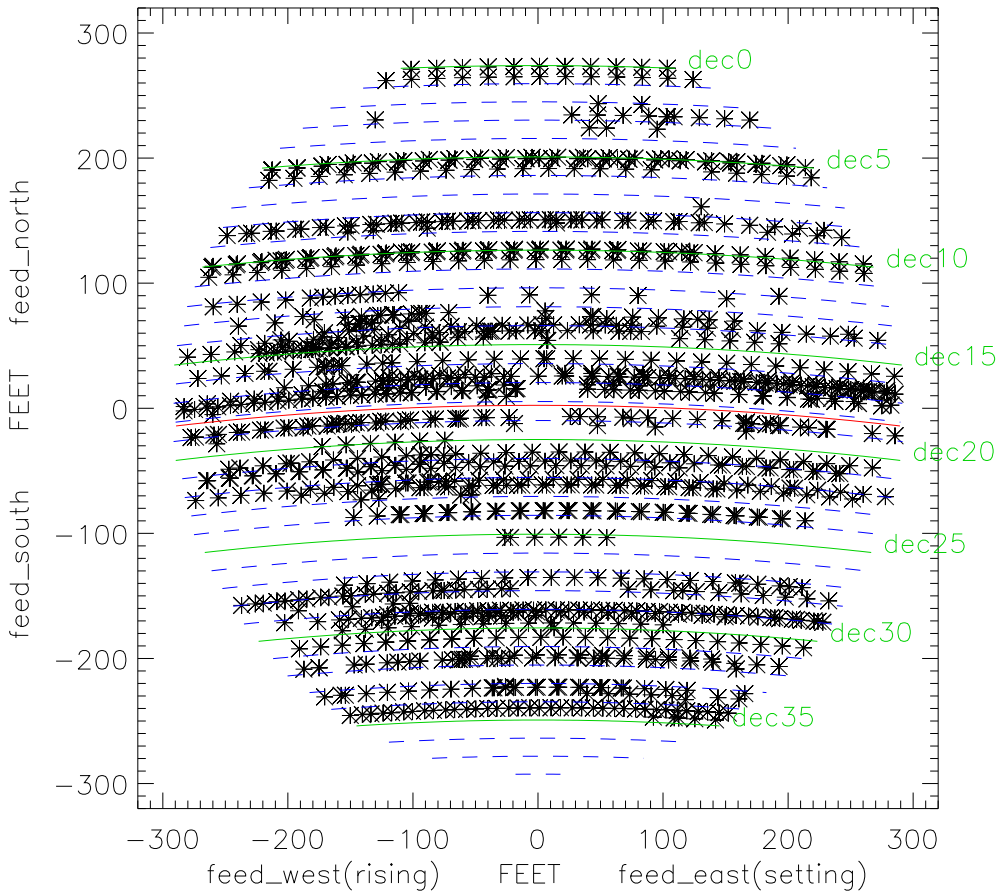
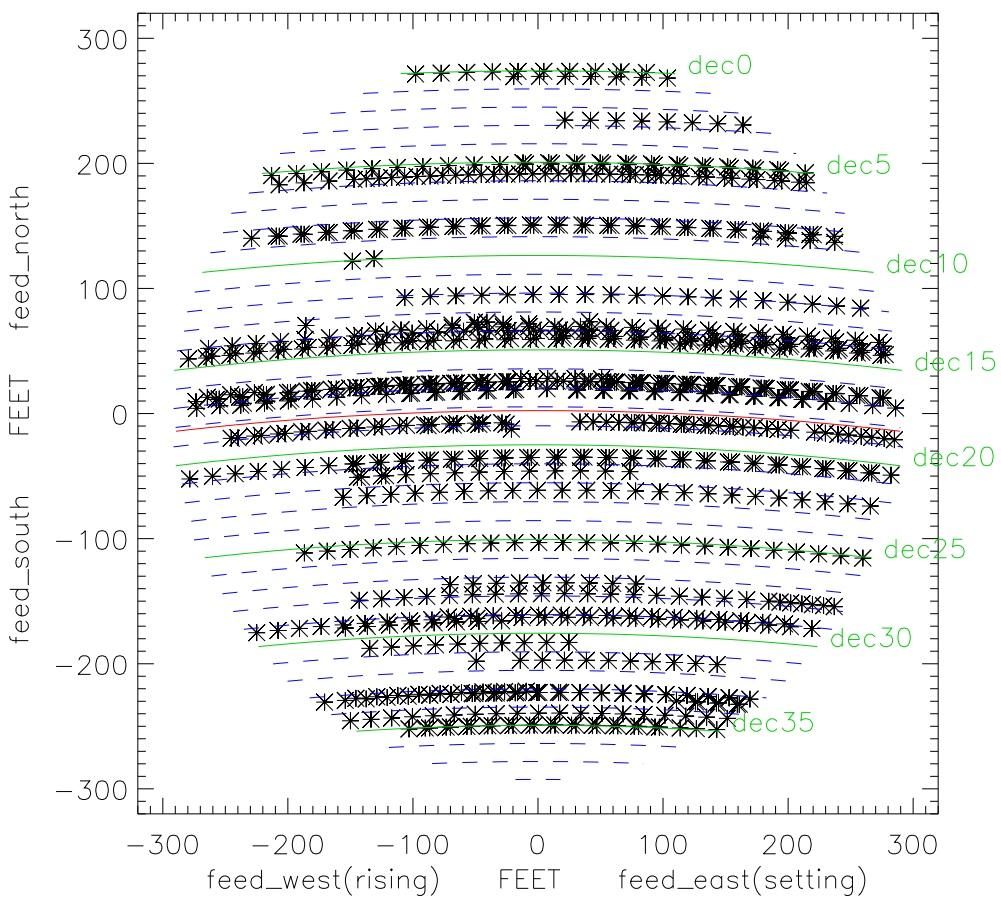
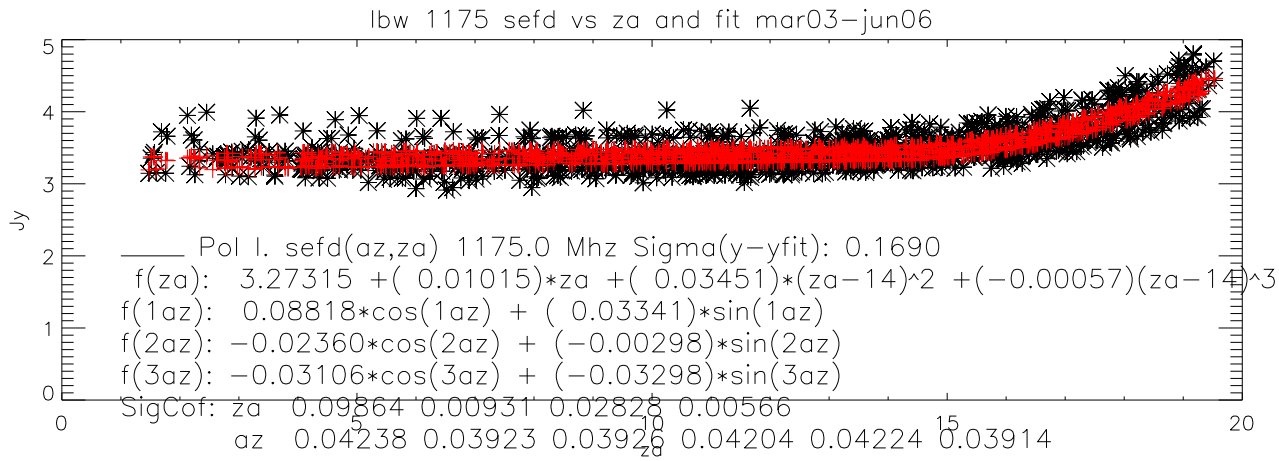
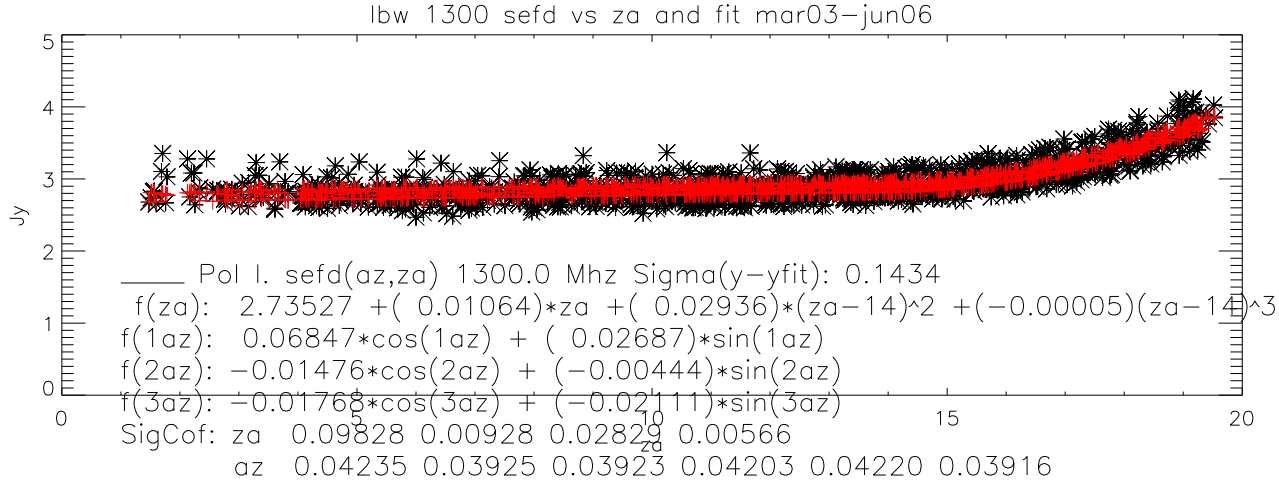
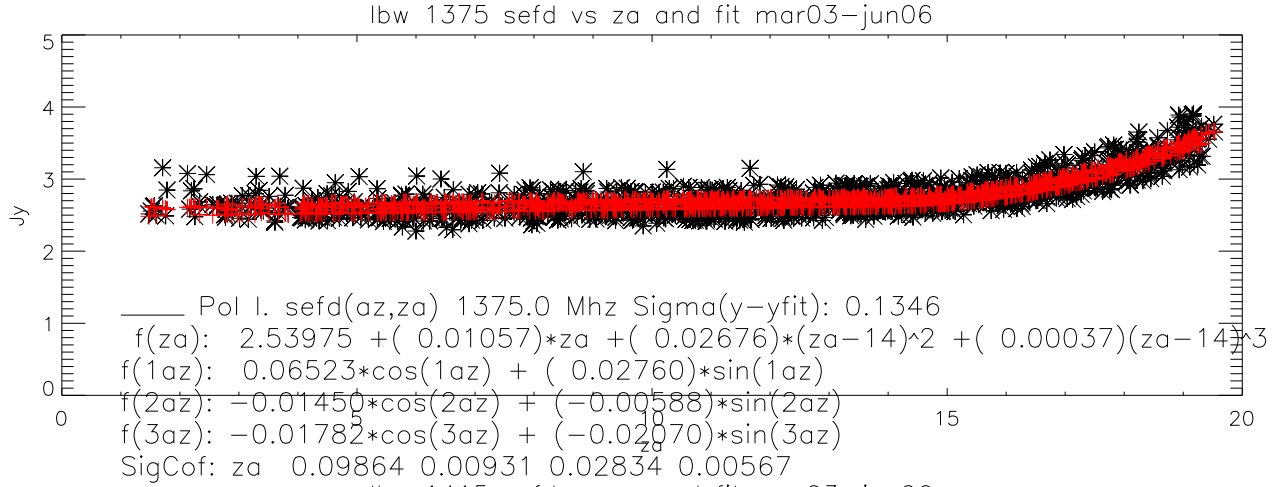
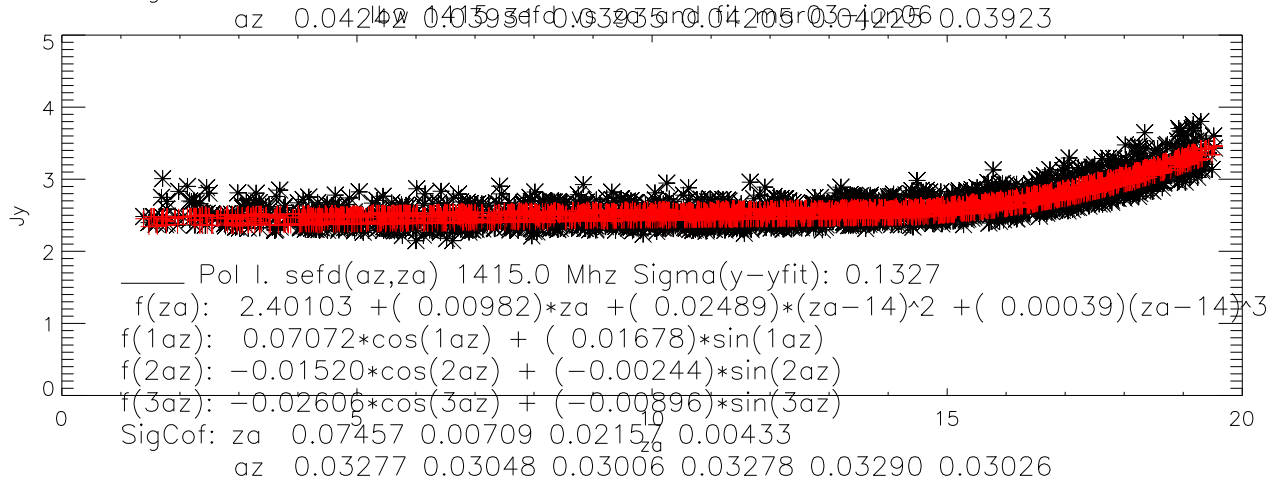

dec0
dec5
dec10
dec15
dec20
dec25
dec30
dec35
300
200
100
0
−100
−200
−300
feed_south FEET feed_north
−300 −200 −100 0 100 200 300
feed_west(rising) FEET feed_east(setting)

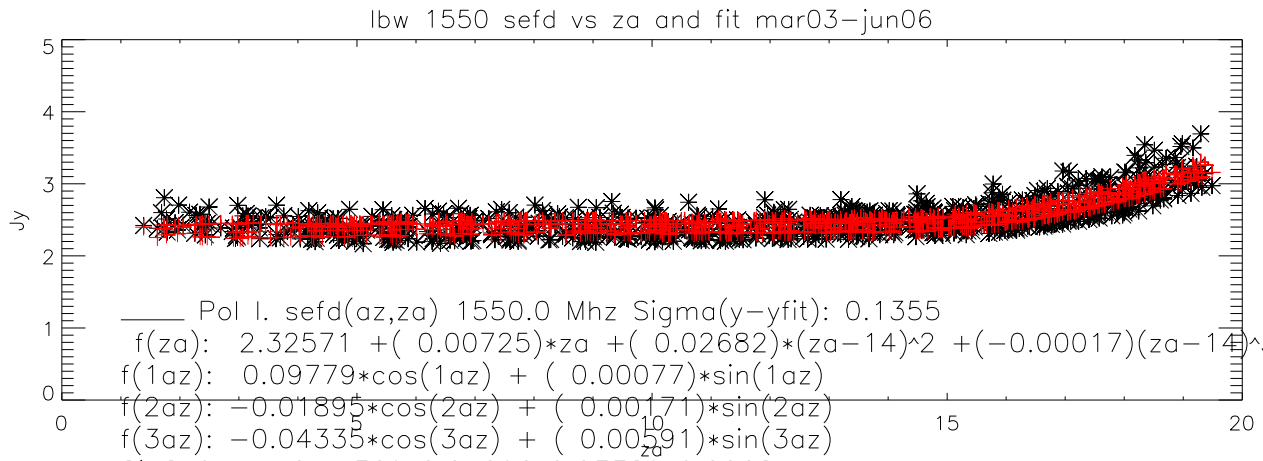

dec0
dec5
dec10
dec15
dec20
dec25
dec30
dec35
300
200
100
0
−100
−200
−300
feed_south FEET feed_north
−300 −200 −100 0 100 200 300
feed_west(rising) FEET feed_east(setting)


lbw 1175 sefd vs za and fit mar03–jun06
Jy
za
____ Pol I. sefd(az,za) 1175.0 Mhz Sigma(y–yfit): 0.1690
f(za): 3.27315 +(0.01015)*za +(0.03451)*(za–14)^2 +(–0.00057)(za–14)^3
f(1az): 0.08818*cos(1az) + (0.03341)*sin(1az)
f(2az): –0.02360*cos(2az) + (–0.00298)*sin(2az)
f(3az): –0.03106*cos(3az) + (–0.03298)*sin(3az)
SigCof: za 0.09864 0.00931 0.02828 0.00566
az 0.04238 0.03923 0.03926 0.04204 0.04224 0.03914

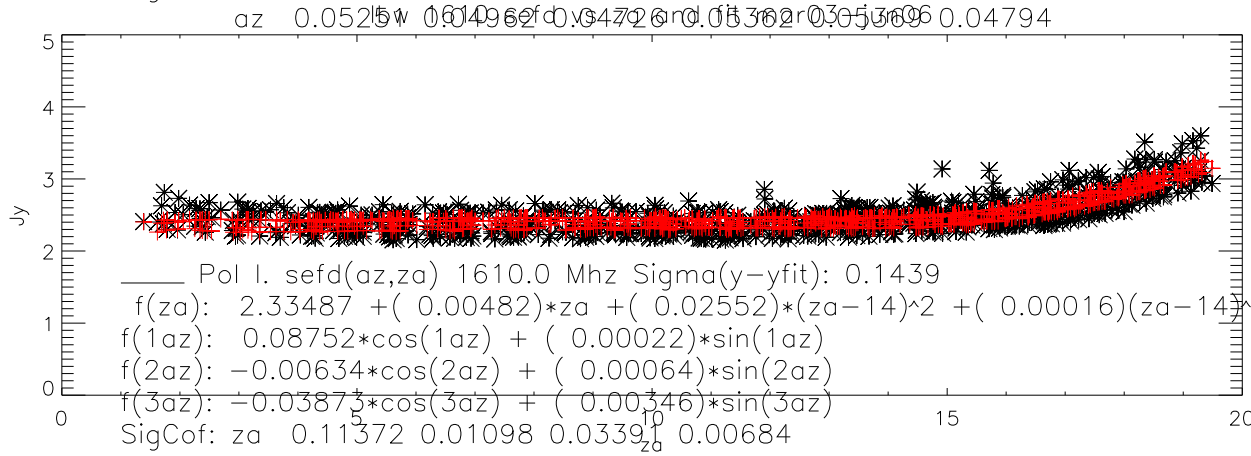

lbw 1300 sefd vs za and fit mar03–jun06
Jy
za
____ Pol I. sefd(az,za) 1300.0 Mhz Sigma(y–yfit): 0.1434
f(za): 2.73527 +(0.01064)*za +(0.02936)*(za–14)^2 +(–0.00005)(za–14)^3
f(1az): 0.06847*cos(1az) + (0.02687)*sin(1az)
f(2az): –0.01476*cos(2az) + (–0.00444)*sin(2az)
f(3az): –0.01768*cos(3az) + (–0.02111)*sin(3az)
SigCof: za 0.09828 0.00928 0.02829 0.00566
az 0.04235 0.03925 0.03923 0.04203 0.04220 0.03916


lbw 1375 sefd vs za and fit mar03–jun06
Jy
za
____ Pol I. sefd(az,za) 1375.0 Mhz Sigma(y–yfit): 0.1346
f(za): 2.53975 +(0.01057)*za +(0.02676)*(za–14)^2 +(0.00037)(za–14)^3
f(1az): 0.06523*cos(1az) + (0.02760)*sin(1az)
f(2az): –0.01450*cos(2az) + (–0.00588)*sin(2az)
f(3az): –0.01782*cos(3az) + (–0.02070)*sin(3az)
SigCof: za 0.09864 0.00931 0.02834 0.00567
az 0.04242 0.03934 0.03933 0.04209 0.04223 0.03923

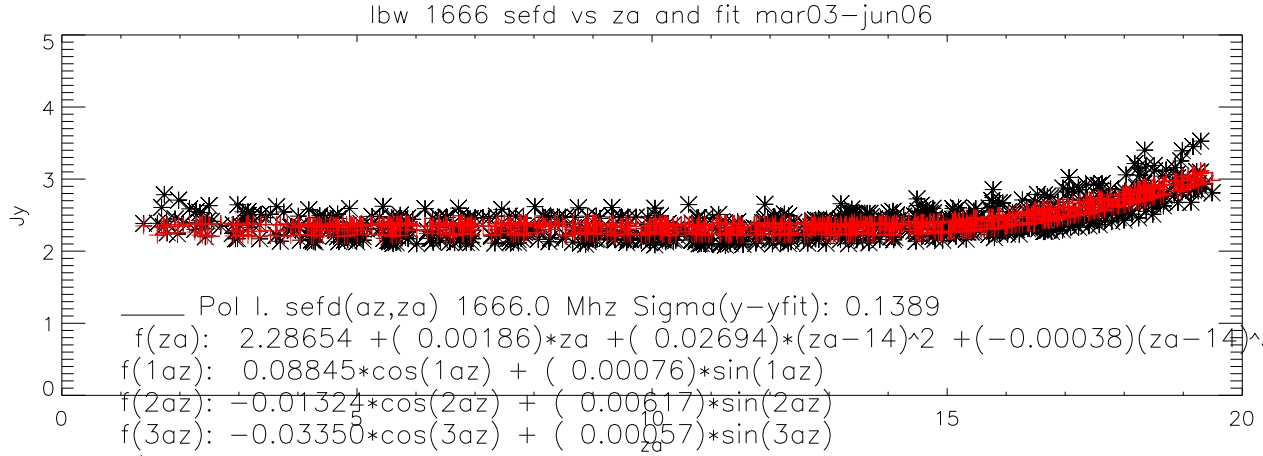

Jy
za
____ Pol I. sefd(az,za) 1415.0 Mhz Sigma(y–yfit): 0.1327
f(za): 2.40103 +(0.00982)*za +(0.02489)*(za–14)^2 +(0.00039)(za–14)^3
f(1az): 0.07072*cos(1az) + (0.01678)*sin(1az)
f(2az): –0.01520*cos(2az) + (–0.00244)*sin(2az)
f(3az): –0.02606*cos(3az) + (–0.00896)*sin(3az)
SigCof: za 0.07457 0.00709 0.02157 0.00433
az 0.03277 0.03048 0.03006 0.03278 0.03290 0.03026



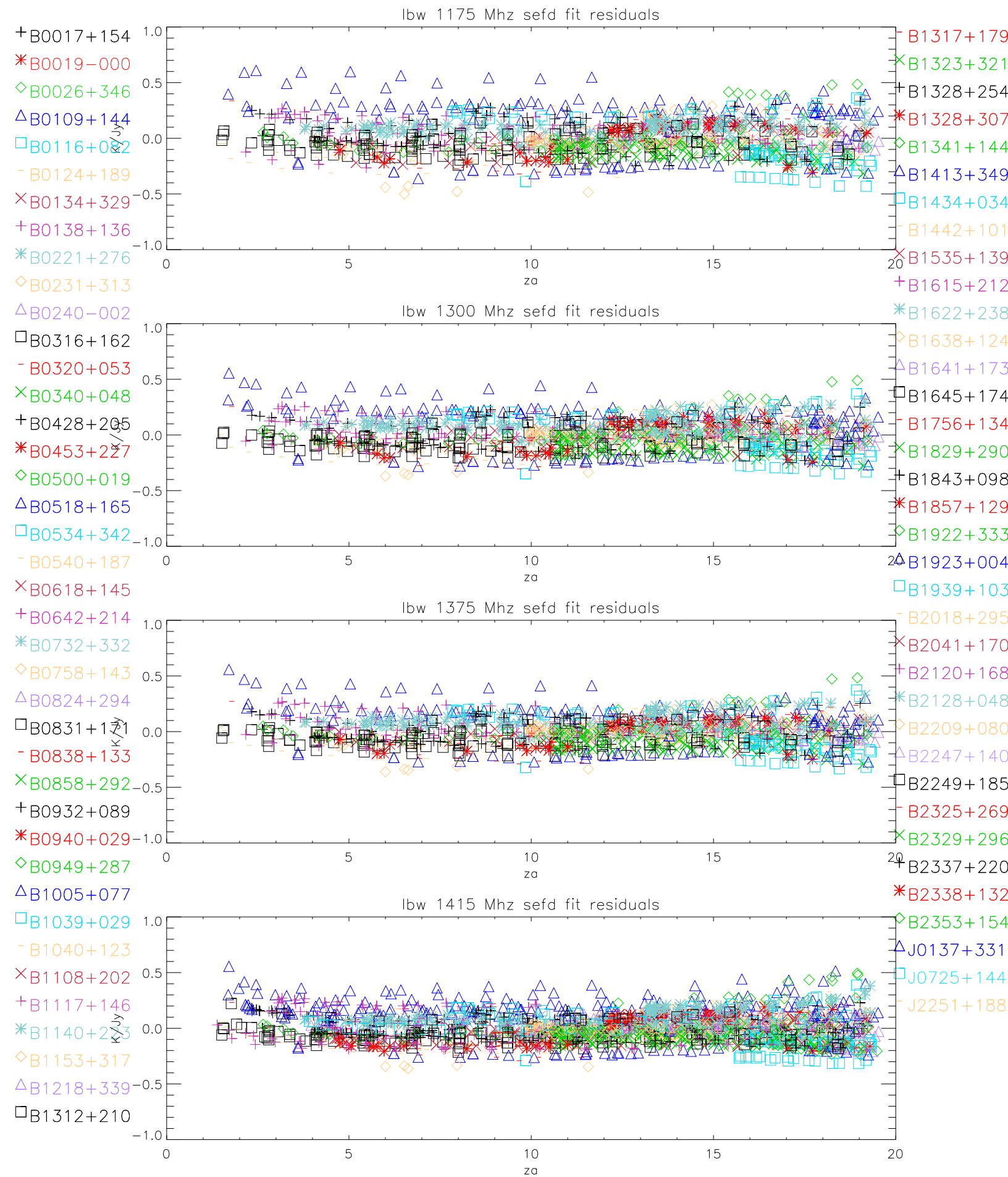
____ Pol I. sefd(az,za) 1550.0 Mhz Sigma(y–yfit): 0.1355
f(za): 2.32571 +(0.00725)*za +(0.02682)*(za–14)^2 +(–0.00017)(za–14)^3
f(1az): 0.09779*cos(1az) + (0.00077)*sin(1az)
f(2az): –0.01895*cos(2az) + (0.00171)*sin(2az)
f(3az): –0.04335*cos(3az) + (0.00591)*sin(3az)
SigCof: za 0.11369 0.01096 0.03389 0.00684
az 0.05259 0.04962 0.04726 0.05362 0.05369 0.04794

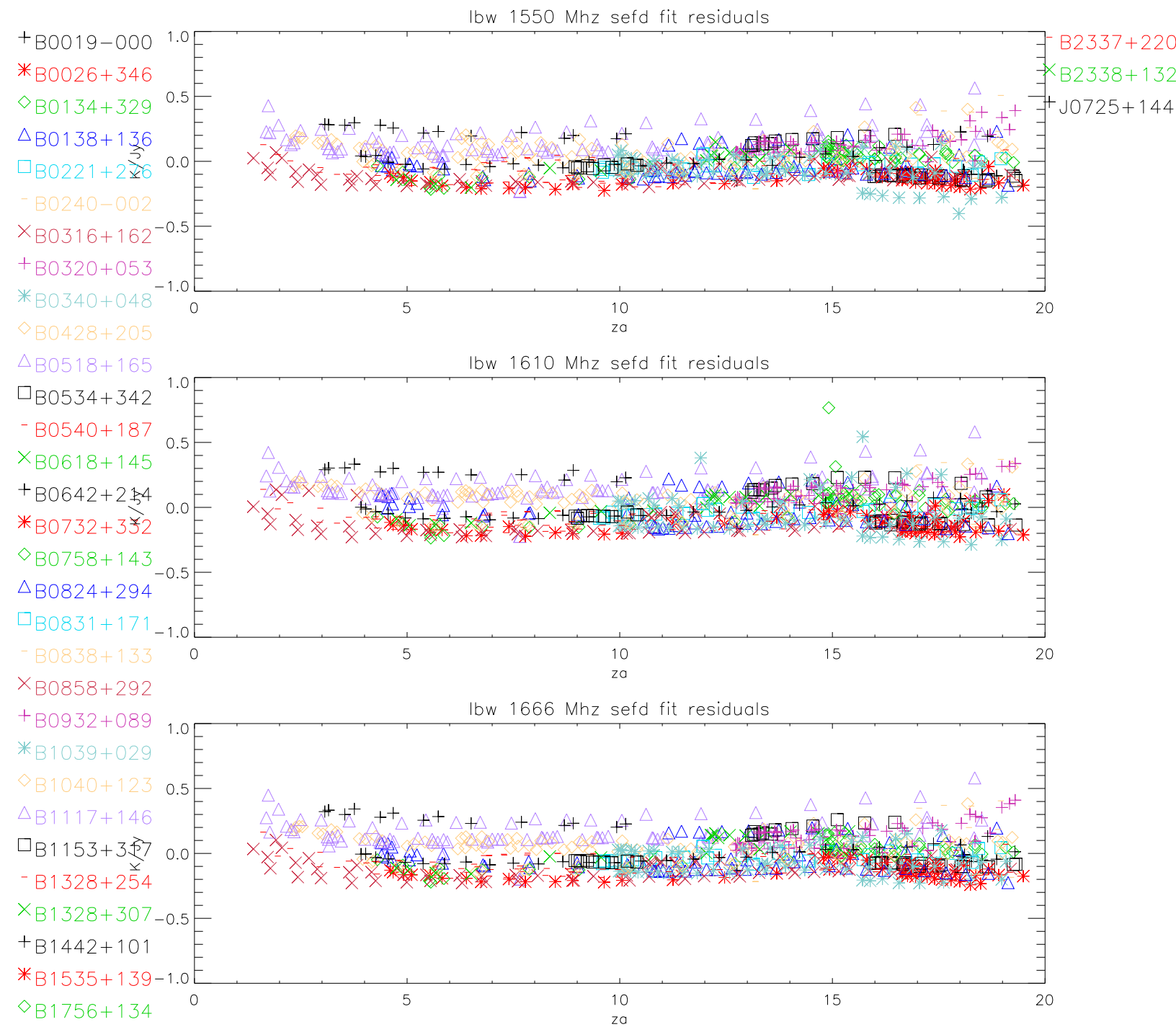


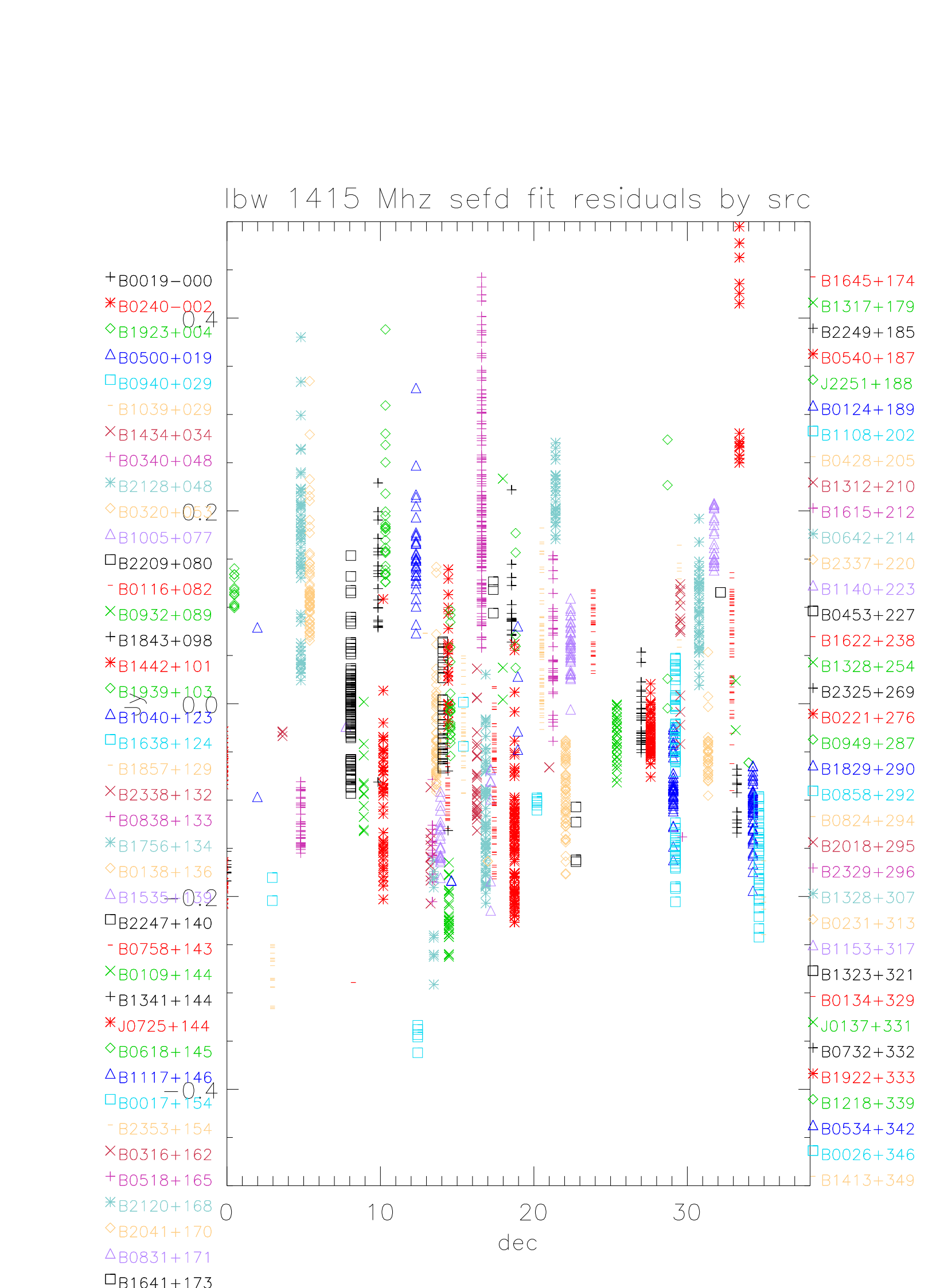
____ Pol I. sefd(az,za) 1610.0 Mhz Sigma(y–yfit): 0.1439
f(za): 2.33487 +(0.00482)*za +(0.02552)*(za–14)^2 +(0.00016)(za–14)^3
f(1az): 0.08752*cos(1az) + (0.00022)*sin(1az)
f(2az): –0.00634*cos(2az) + (0.00064)*sin(2az)
f(3az): –0.03873*cos(3az) + (0.00346)*sin(3az)
SigCof: za 0.11372 0.01098 0.03391 0.00684
az 0.05248 0.04957 0.04719 0.05362 0.05355 0.04799



____ Pol I. sefd(az,za) 1666.0 Mhz Sigma(y–yfit): 0.1389
f(za): 2.28654 +(0.00186)*za +(0.02694)*(za–14)^2 +(–0.00038)(za–14)^3
f(1az): 0.08845*cos(1az) + (0.00076)*sin(1az)
f(2az): –0.01324*cos(2az) + (0.00617)*sin(2az)
f(3az): –0.03350*cos(3az) + (0.00057)*sin(3az)
SigCof: za 0.11361 0.01095 0.03374 0.00679
az 0.05240 0.04952 0.04712 0.05356 0.05348 0.04790


lbw 1175 Mhz sefd fit residuals
lbw 1300 Mhz sefd fit residuals
lbw 1375 Mhz sefd fit residuals
lbw 1415 Mhz sefd fit residuals
za
K/Jy
B0017+154
B0019−000
B0026+346
B0109+144
B0116+082
B0124+189
B0134+329
B0138+136
B0221+276
B0231+313
B0240−002
B0316+162
B0320+053
B0340+048
B0428+205
B0453+227
B0500+019
B0518+165
B0534+342
B0540+187
B0618+145
B0642+214
B0732+332
B0758+143
B0824+294
B0831+171
B0838+133
B0858+292
B0932+089
B0940+029
B0949+287
B1005+077
B1039+029
B1040+123
B1108+202
B1117+146
B1140+223
B1153+317
B1218+339
B1312+210
B1317+179
B1323+321
B1328+254
B1328+307
B1341+144
B1413+349
B1434+034
B1442+101
B1535+139
B1615+212
B1622+238
B1638+124
B1641+173
B1645+174
B1756+134
B1829+290
B1843+098
B1857+129
B1922+333
B1923+004
B1939+103
B2018+295
B2041+170
B2120+168
B2128+048
B2209+080
B2247+140
B2249+185
B2325+269
B2329+296
B2337+220
B2338+132
B2353+154
J0137+331
J0725+144
J2251+188


lbw 1550 Mhz sefd fit residuals
B0019−000
B0026+346
B0134+329
B0138+136
B0221+236
B0240−002
B0316+162
B0320+053
B0340+048
B0428+205
B0518+165
B0534+342
B0540+187
B0618+145
B0642+214
B0732+352
B0758+143
B0824+294
B0831+171
B0838+133
B0858+292
B0932+089
B1039+029
B1040+123
B1117+146
B1153+317
B1328+254
B1328+307
B1442+101
B1535+139
B1756+134
B1829+290
B1843+098
B1922+333
B2120+168
B2128+048
B2209+080
B2247+140
B2249+185
B2325+269
B2337+220
B2338+132
J0725+144
K/Jy
za
lbw 1610 Mhz sefd fit residuals
K/Jy
za
lbw 1666 Mhz sefd fit residuals
K/Jy
za


lbw 1415 Mhz sefd fit residuals by src
B0019−000
B0240−002
B1923+004
B0500+019
B0940+029
B1039+029
B1434+034
B0340+048
B2128+048
B0320+052
B1005+077
B2209+080
B0116+082
B0932+089
B1843+098
B1442+101
B1939+103
B1040+123
B1638+124
B1857+129
B2338+132
B0838+133
B1756+134
B0138+136
B1535+139
B2247+140
B0758+143
B0109+144
B1341+144
J0725+144
B0618+145
B1117+146
B0017+154
B2353+154
B0316+162
B0518+165
B2120+168
B2041+170
B0831+171
B1641+173
B1645+174
B1317+179
B2249+185
B0540+187
J2251+188
B0124+189
B1108+202
B0428+205
B1312+210
B1615+212
B0642+214
B2337+220
B1140+223
B0453+227
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B2325+269
B0221+276
B0949+287
B1829+290
B0858+292
B0824+294
B2018+295
B2329+296
B1328+307
B0231+313
B1153+317
B1323+321
B0134+329
J0137+331
B0732+332
B1922+333
B1218+339
B0534+342
B0026+346
B1413+349
0.4
0.2
0.0
−0.2
−0.4
0
10
20
30
dec